

Motorola Droid Bionic User Guide

From the Editors of PCWorld, discover everything there is to know about the latest Android platform. Ice Cream Sandwich is the most delicious Android yet. Get the scoop on Google's latest mobile OS in PCWorld's newest Superguide, Android Ice Cream Sandwich. Android Ice Cream Sandwich is a marvel of advanced engineering: a powerful, handsome, and versatile operating system that presents a universe of opportunities--if you know how to use it. But most of us could use some help on that score. Fortunately, assistance is now available in the form of PCWorld's just-published Superguide, an in-depth look at Android Ice Cream Sandwich for smartphone and tablet owners. The all-new guide, written by PCWorld's mobile experts, can get you started on Ice Cream Sandwich in a hurry, with a walk-through of new features, a generous collection of tips and tricks, and a guide to essential apps for both phones and tablets. Want to defend your phone against obnoxious ads? Or back up your phone? Or upload 20,000 of your own songs to the cloud and then stream them back to your Ice Cream Sandwich device for free? This authoritative volume offers step-by-step instructions for everything you need to know to accomplish these tasks and many more. Other sections evaluate the best browsers, security apps, and utilities for your phone, and even show you how to transform your smartphone into a high-end camera. For Ice

Cream Sandwich tablet users, we explain how to use Android Widgets, and we rate the best news, weather, reference, and communication apps.

Sensor Technologies: Healthcare, Wellness and Environmental Applications explores the key aspects of sensor technologies, covering wired, wireless, and discrete sensors for the specific application domains of healthcare, wellness and environmental sensing. It discusses the social, regulatory, and design considerations specific to these domains. The book provides an application-based approach using real-world examples to illustrate the application of sensor technologies in a practical and experiential manner. The book guides the reader from the formulation of the research question, through the design and validation process, to the deployment and management phase of sensor applications. The processes and examples used in the book are primarily based on research carried out by Intel or joint academic research programs. "Sensor Technologies: Healthcare, Wellness and Environmental Applications provides an extensive overview of sensing technologies and their applications in healthcare, wellness, and environmental monitoring. From sensor hardware to system applications and case studies, this book gives readers an in-depth understanding of the technologies and how they can be applied. I would highly recommend it to students or researchers who are interested in wireless sensing technologies and the associated applications." Dr. Benny Lo Lecturer, The Hamlyn Centre, Imperial College of London "This timely addition to the literature on sensors covers the broad

complexity of sensing, sensor types, and the vast range of existing and emerging applications in a very clearly written and accessible manner. It is particularly good at capturing the exciting possibilities that will occur as sensor networks merge with cloud-based 'big data' analytics to provide a host of new applications that will impact directly on the individual in ways we cannot fully predict at present. It really brings this home through the use of carefully chosen case studies that bring the overwhelming concept of 'big data' down to the personal level of individual life and health." Dermot Diamond Director, National Centre for Sensor Research, Principal Investigator, CLARITY Centre for Sensor Web Technologies, Dublin City University "Sensor Technologies: Healthcare, Wellness and Environmental Applications takes the reader on an end-to-end journey of sensor technologies, covering the fundamentals from an engineering perspective, introducing how the data gleaned can be both processed and visualized, in addition to offering exemplar case studies in a number of application domains. It is a must-read for those studying any undergraduate course that involves sensor technologies. It also provides a thorough foundation for those involved in the research and development of applied sensor systems. I highly recommend it to any engineer who wishes to broaden their knowledge in this area!" Chris Nugent Professor of Biomedical Engineering, University of Ulster

The Quick Start Reference Guide provides an overview of the installation and evaluation process, and additional resources.

Quick Start Reference Guide for MicroStrategy 9. 3. 1 CompTIA A+ Complete Study Guide Chips 2020

Building Bluetooth Low Energy Systems

Evaluation Guide (Linux) for MicroStrategy 9.2.1m

Discover and implement a system of your choice using Bluetooth Low Energy. About This Book Learn the basics of Bluetooth Low Energy with its exciting new protocol stack and security. Build customized Bluetooth Low Energy projects that make your web or mobile apps smarter in terms of networking and communications. Using Android, iOS, and the Web, acquire key skills to harness the power of Bluetooth Low Energy in your IoT applications. Who This Book Is For The book is for developers and enthusiasts who are passionate about learning Bluetooth Low Energy technologies and want to add new features and services to their new or existing products. They should be familiar with programming languages such as Swift, Java, and JavaScript. Knowledge of debugging skills would be an advantage. What You Will Learn Bluetooth Low Energy in theory. Bluetooth Low Energy Hardware and Software Development Kits. Implement Bluetooth low energy communication (central and peripheral) using Android. Master BLE Beacons with examples implemented over Eddystone and iBeacons. Implement indoor navigation using Estimote Beacons on iOS. Implement Internet gateways to control BLE devices on a Wi-Fi network. Understand BLE security mechanisms with a special focus on Bluetooth pairing, bonding, and key exchange to cover encryption, privacy, and user data integrity. Implement Bluetooth Mesh using CSRMesh

Technology. In Detail Bluetooth Low Energy (BLE) is a Wireless Personal Area network technology aimed at novel applications for smart devices. High-tech BLE profiles and services are being increasingly used by application developers and hardware enthusiasts to allow devices to interact with the surrounding world. This book will focus on a technical introduction to BLE and how it is reshaping small-distance communication. We will start with IoT, where many technologies such as BLE, Zigbee, and IEEE 802.15.4 Mesh will be introduced. The book will present BLE from an engineering perspective, from which the protocol stack, architecture, and layers are discussed. You will learn to implement customized projects for Peripheral/Central communication, BLE Beacons, indoor navigation using triangulation, and the Internet gateway for Bluetooth Low Energy Personal Network, all using various code samples and APIs on Android, iOS, and the Web. Finally, the book will conclude with a glimpse into future technologies destined to be prominent in years to come. Style and approach The book is a practical tutorial that will help you understand the background and technicalities of BLE and offers a friendly environment to build and create robust BLE projects. This hands-on approach will give you a clear vision of Bluetooth Low Energy and how it can be used in IoT.

The Installation and Configuration Guide includes information to install and configure MicroStrategy products on Windows, UNIX, Linux, and HP platforms, as well as basic maintenance guidelines.

The first comprehensive guide to discovering and preventing attacks on the Android OS As the Android operating system continues to increase its share of the

smartphone market, smartphone hacking remains a growing threat. Written by experts who rank among the world's foremost Android security researchers, this book presents vulnerability discovery, analysis, and exploitation tools for the good guys. Following a detailed explanation of how the Android OS works and its overall security architecture, the authors examine how vulnerabilities can be discovered and exploits developed for various system components, preparing you to defend against them. If you are a mobile device administrator, security researcher, Android app developer, or consultant responsible for evaluating Android security, you will find this guide is essential to your toolbox. A crack team of leading Android security researchers explain Android security risks, security design and architecture, rooting, fuzz testing, and vulnerability analysis. Covers Android application building blocks and security as well as debugging and auditing Android apps. Prepares mobile device administrators, security researchers, Android app developers, and security consultants to defend Android systems against attack. Android Hacker's Handbook is the first comprehensive resource for IT professionals charged with smartphone security.

Exam Core 1 220-1001 and Exam Core 2 220-1002

A Confectioner's Cookbook

Evaluation Guide (Windows) for MicroStrategy

Analytics Enterprise

A Concise Guide

Porting, Extending, and Customizing

A fun, full-color guide to the exciting new Droid Bionic smartphone from Motorola. The Droid Bionic is a super-fast, feature-packed smartphone with so many innovations that

most users need help to take full advantage of it. This fun and friendly book by popular For Dummies author Dan Gookin documents all the Droid Bionic's features and explains how to use each one. With full-color illustrations showing exactly what you can expect to see on the screen, this guide covers essential features like texting, e-mail, Internet access, synching the phone with your PC, using the camera, video chatting, GPS navigation, adding apps, and much more. Serves as a full-color guide to the Droid Bionic, one of the hottest smartphones on the market Explains all the features of Droid Bionic in the fun and easy For Dummies tradition Covers setting up and configuring the Droid Bionic and provides tips on troubleshooting, maintenance, customizing, and expanding the phone's potential with apps Explains how to take advantage of features like video chat, GPS navigation, texting, e-mail, Internet access, the camera, syncing with a PC, managing media, and much more Make your Droid Bionic do your bidding with the advice in this fun and easy guide.

"Collections: A Journal for Museum and Archives Professionals" is a multi-disciplinary peer-reviewed journal dedicated to the discussion of all aspects of handling, preserving, researching, and organizing collections. Curators, archivists, collections managers, preparators, registrars, educators, students, and others contribute. Until the late 1980s, information processing was associated with large mainframe computers and huge tape drives. During the 1990s, this trend shifted toward information processing with personal computers, or PCs. The trend toward miniaturization continues and in the future the majority of information processing systems will be small mobile computers, many of which will be embedded into larger products and interfaced to the physical environment. Hence, these kinds of systems are called embedded

systems. Embedded systems together with their physical environment are called cyber-physical systems. Examples include systems such as transportation and fabrication equipment. It is expected that the total market volume of embedded systems will be significantly larger than that of traditional information processing systems such as PCs and mainframes. Embedded systems share a number of common characteristics. For example, they must be dependable, efficient, meet real-time constraints and require customized user interfaces (instead of generic keyboard and mouse interfaces). Therefore, it makes sense to consider common principles of embedded system design. Embedded System Design starts with an introduction into the area and a survey of specification models and languages for embedded and cyber-physical systems. It provides a brief overview of hardware devices used for such systems and presents the essentials of system software for embedded systems, like real-time operating systems. The book also discusses evaluation and validation techniques for embedded systems. Furthermore, the book presents an overview of techniques for mapping applications to execution platforms. Due to the importance of resource efficiency, the book also contains a selected set of optimization techniques for embedded systems, including special compilation techniques. The book closes with a brief survey on testing. Embedded System Design can be used as a text book for courses on embedded systems and as a source which provides pointers to relevant material in the area for PhD students and teachers. It assumes a basic knowledge of information processing hardware and software. Courseware related to this book is available at <http://ls12-www.cs.tu-dortmund.de/~marwedel>.

Android Ice Cream Sandwich Superguide (PCWorld

Superguides)

Bringing Up an Android System from Scratch

The Constitutional Practice and Discipline of the Methodist Church

Permissionless Innovation: The Continuing Case for Comprehensive Technological Freedom

Android Internals - Volume I

Evaluate MicroStrategy as a departmental solution. This book provides detailed information to download, install, configure, and use the MicroStrategy Reporting Suite.

An in-depth exploration of the inner-workings of Android: In Volume I, we take the perspective of the Power User as we delve into the foundations of Android, filesystems, partitions, boot process, native daemons and services.

Will innovators be forced to seek the blessing of public officials before they develop and deploy new devices and services, or will they be generally left free to experiment with new technologies and business models? In this book, Adam Thierer argues that if the former disposition, “the precautionary principle,” trumps the latter, “permissionless innovation,” the result will be fewer services, lower-quality goods, higher prices, diminished economic growth, and a decline in the overall standard of living. When public policy is shaped by “precautionary principle” reasoning, it poses a serious threat to technological progress, economic entrepreneurialism, and long-run prosperity. By contrast, permissionless innovation has fueled the success of the Internet and much of the modern tech economy

in recent years, and it is set to power the next great industrial revolution—if we let it.

Droid Bionic For Dummies

Quick Start Reference Guide for MicroStrategy

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MicroStrategy Suite Quick Start Guide for

MicroStrategy 9. 3. 1

Embedded System Design

Designing Connected, Pervasive, Media-rich Systems

The definitive Sybex guide to A+ certification, fully updated for the latest exams The CompTIA A+ Complete Study Guide, Fourth Edition is your ultimate preparation guide for Exams 220-1001 and 220-1002. Covering 100 percent of the objectives for both exams, this book gets you up to speed on essential A+ knowledge and skills. Master the critical competencies associated with hardware and software, system maintenance, troubleshooting, connectivity, and more—with practical examples drawn from real-world experience, you ' ll develop the skill set employers demand in today ' s IT environment. End-of-chapter reviews help you gauge your progress and stay on track for success, while exam highlights give you a sneak preview of what to expect on the big day. You also get access to the Sybex online test bank, featuring electronic flashcards, a searchable glossary, and 4 practice exams to help you study from anywhere, any time—track your progress and test your

understanding with interactive study tools. CompTIA A+ certification is the industry-leading standard for IT professionals. Hundreds of companies require their computer technicians to hold this valuable credential. Now in its fourth edition, this revised and updated study guide includes expanded coverage of virtualization and cloud computing, mobile hardware installation, network security, and more, to reflect the latest changes in the A+ exam. Providing all the information you need to earn your A+ certification, this invaluable resource will help you: Master the basics of hardware, software, and peripherals Understand and troubleshoot network connectivity issues Install and configure Windows, iOS, Android, Apple OSX, and Linux operating systems The CompTIA A+ Complete Study Guide, Fourth Edition arms you with the tools and knowledge necessary to take your skills to the next level. Whether a first-time candidate or IT professional in need of recertification, this essential study guide will help you prepare, practice, and pass with minimal burden and maximum results.

Here is your essential companion to the Android-powered Droid smartphone. The Droid Pocket Guide, Second Edition, steers you through how to: Set up and quickly start using your Droid smartphone. Make and receive calls and text messages. Send email and synchronize your mail

with your Gmail account. Surf the Web with the built-in Android browser. Search your phone and the Web by voice. Browse and download apps in the Android Market. Find your place in the world, using the phone's GPS and Google Maps Navigation. Keep track of your contacts and calendar--and, of course, sync your phone with your Google account. Shoot and instantly review photos and videos with the built-in camera.

Modern embedded systems are used for connected, media-rich, and highly integrated handheld devices such as mobile phones, digital cameras, and MP3 players. All of these embedded systems require networking, graphic user interfaces, and integration with PCs, as opposed to traditional embedded processors that can perform only limited functions for industrial applications. While most books focus on these controllers, *Modern Embedded Computing* provides a thorough understanding of the platform architecture of modern embedded computing systems that drive mobile devices. The book offers a comprehensive view of developing a framework for embedded systems-on-chips. Examples feature the Intel Atom processor, which is used in high-end mobile devices such as e-readers, Internet-enabled TVs, tablets, and net books. Beginning with a discussion of embedded platform architecture and Intel Atom-specific architecture, modular chapters cover system boot-up, operating systems, power

optimization, graphics and multi-media, connectivity, and platform tuning. Companion lab materials compliment the chapters, offering hands-on embedded design experience. Learn embedded systems design with the Intel Atom Processor, based on the dominant PC chip architecture. Examples use Atom and offer comparisons to other platforms Design embedded processors for systems that support gaming, in-vehicle infotainment, medical records retrieval, point-of-sale purchasing, networking, digital storage, and many more retail, consumer and industrial applications Explore companion lab materials online that offer hands-on embedded design experience

Evaluation Guide (Windows) for MicroStrategy 9. 3.

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IoT Projects with Bluetooth Low Energy
Embedded Programming with Android
Collections Vol 9

Evaluation Guide: Introduction to MicroStrategy 10

Summary Android in Practice is a treasure trove of Android goodness, with over 90 tested, ready-to-use techniques including complete end-to-end example applications and practical tips for real world mobile application developers. Written by real world Android developers, this book addresses the trickiest questions raised in forums and mailing lists. Using an easy-to-follow problem/solution/discussion format, it dives into important topics not covered in other Android books, like advanced drawing and graphics, testing and

instrumentation, building and deploying applications, and using alternative languages. About the Book It's not hard to find the information you need to build your first Android app. Then what? If you want to build real apps, you will need some how-to advice, and that's what this book is about. Android in Practice is a rich source of Android tips, tricks, and best practices, covering over 90 clever and useful techniques that will make you a more effective Android developer. Techniques are presented in an easy-to-read problem/solution/discussion format. The book dives into important topics like multitasking and services, testing and instrumentation, building and deploying applications, and using alternative languages. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside

Techniques covering Android 1.x to 3.x
Android for tablets
Working with threads and concurrency
Testing and building
Using location awareness and GPS
Styles and themes
And much more!

This book requires a working knowledge of Java, but no prior experience with Android is assumed. Source Code can be found at <https://code.google.com/p/android-in-practice/>

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Introducing Android
Android application fundamentals
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Managing background tasks with Services
Threads and concurrency
Storing data locally
Sharing data between apps
HTTP networking and web services
Location is everything
Appeal to the senses using multimedia
2D and 3D drawing

PART 3 BEYOND STANDARD DEVELOPMENT

Testing and instrumentation
Build management
Developing for Android tablets

The Installation and Configuration Guide includes information to install and configure MicroStrategy products on Windows, UNIX and Linux platforms, as well as basic maintenance guidelines.

Step-by-Step, Full-Color Graphics! Start using Facebook right away—the QuickSteps way. In Facebook for Seniors QuickSteps, color photos and screenshots with clear instructions show you how to enjoy the benefits of the world's most popular social networking site. Written by a senior for seniors, this easy-to-follow guide shows you how to create your Facebook account, control privacy settings, find and manage friends, and share posts, links, and videos. You'll also learn how to use Facebook email and the Facebook Mobile App, create and join groups, use Facebook apps and games, and secure your account. Stay connected with family and friends using Facebook and this practical, hands-on resource. Use these handy guideposts: Shortcuts for accomplishing common tasks Personal insights from other seniors Need-to-know facts in concise narrative Helpful reminders or alternate ways of doing things Bonus information related to the topic being covered Errors and pitfalls to avoid The unique, landscape-oriented layout of the QuickSteps series mimics your computer screen, displays graphics and explanations side by side, and lays flat so you can easily refer to the book while working on your computer.

Quick Start Reference Guide for MicroStrategy 9. 3
Android in Practice

Installation and Configuration Guide for MicroStrategy 9.5

Installation and Configuration Guide for MicroStrategy 9. 3

Android NDK: Beginner's Guide - Second Edition

Law and Ethics for Today's Journalist offers aspiring and working journalists the practical understanding of law and ethics they must have to succeed at their craft. Instead of covering every nuance of media law for diverse communications majors, Mathewson focuses exclusively on what's relevant for journalists. Even though media law and media ethics are closely linked together in daily journalistic practice, they are usually covered in separate volumes. Mathewson brings them together in a clear and colourful way that practicing journalists will find more useful. Everything a journalist needs to know about legal protections, limitations, and risks inherent in workaday reporting is illustrated with highlights from major court opinions. Mathewson advises journalists who must often make ethical decisions on the spot with no time for the elaborate, multi-faceted analysis. The book assigns to journalists the hard decisions on ethical questions such as whether to go undercover or otherwise misrepresent themselves in order to get a big story. The ethics chapter precedes the law chapters because ethical standards should underlie a journalist's work at all times. There may be occasions when ethics and law are not parallel, thus calling for the journalist to make a personal judgment. Law and Ethics for Today's Journalist is user-friendly, written in clear, direct, understandable language on issues that really matter to a working journalist. Supplementary reading of the actual court cases is recommended and links to most cases are provided in the text. The text includes a fine (but purposely not exhaustive) bibliography listing important and useful legal cases, including instructive appellate and trial court opinions, state as well as federal.

The First Practical, Hands-On Guide to Embedded System Programming for Android Today, embedded systems programming is a more valuable discipline than ever, driven by fast-growing, new fields such as wearable technology and the Internet of Things. In this concise guide, Roger Ye teaches all the skills you'll need to write the efficient embedded code necessary to make tomorrow's Android devices work. The first title in Addison-Wesley's new Android™ Deep Dive series for intermediate and expert Android developers, Embedded Programming with Android™ draws on Roger Ye's extensive experience with advanced projects in telecommunications and mobile devices. Step by step, he guides you through building a system with all the key components Android hardware developers must deliver to manufacturing. By the time you're done, you'll have the key programming, compiler, and debugging skills you'll need for real-world projects. First, Ye introduces the essentials of bare-metal programming: creating assembly language code that runs directly on hardware. Then, building on this knowledge, he shows how to use C to create hardware interfaces for booting a Linux kernel with the popular U-Boot bootloader. Finally, he walks you through using filesystem images to boot Android and learning to build customized ROMs to support any new Android device. Throughout, Ye provides extensive downloadable code you can run, explore, and adapt. You will Build a complete virtualized environment for embedded development Understand the workflow of a modern embedded systems project Develop assembly programs, create binary images, and load and run them in the Android emulator Learn what it takes to

bring up a bootloader and operating system Move from assembler to C, and explore Android's goldfish hardware interfaces Program serial ports, interrupt controllers, real time clocks, and NAND flash controllers Integrate C runtime libraries Support exception handling and timing Use U-Boot to boot the kernel via NOR or NAND flash processes Gain in-depth knowledge for porting U-Boot to new environments Integrate U-Boot and a Linux kernel into an AOSP and CyanogenMod source tree Create your own Android ROM on a virtual Android device Evaluate MicroStrategy as a departmental solution. This book provides detailed information to download, install, configure, and use the MicroStrategy Suite. Installation and Configuration Guide for MicroStrategy Analytics Enterprise

A Guide to the Future of Nanoelectronics Evaluation Guide (Windows) for MicroStrategy 9. 3 MicroStrategy Suite Quick Start Guide for MicroStrategy Analytics Enterprise

The Evaluation Guide includes instructions for installing, configuring, and using the MicroStrategy Evaluation Edition. This guide also includes a detailed, step-by-step evaluation process of MicroStrategy features, where you perform reporting with the MicroStrategy Tutorial project and its sample business data.

Embedded Android is for Developers wanting to create embedded systems based on Android and for those wanting to port Android to new hardware, or creating a custom development environment. Hackers and moders will also find this an indispensable guide to how Android works.

The chips in present-day cell phones already contain billions of sub-100-nanometer transistors. By 2020, however, we will see systems-on-chips with trillions of 10-nanometer transistors. But this will be the

end of the miniaturization, because yet smaller transistors, containing just a few control atoms, are subject to statistical fluctuations and thus no longer useful. We also need to worry about a potential energy crisis, because in less than five years from now, with current chip technology, the internet alone would consume the total global electrical power!

This book presents a new, sustainable roadmap towards ultra-low-energy (femto-Joule), high-performance electronics. The focus is on the energy-efficiency of the various chip functions: sensing, processing, and communication, in a top-down spirit involving new architectures such as silicon brains, ultra-low-voltage circuits, energy harvesting, and 3D silicon technologies. Recognized world leaders from industry and from the research community share their views of this nanoelectronics future. They discuss, among other things, ubiquitous communication based on mobile companions, health and care supported by autonomous implants and by personal carebots, safe and efficient mobility assisted by co-pilots equipped with intelligent micro-electromechanical systems, and internet-based education for a billion people from kindergarden to retirement. This book should help and interest all those who will have to make decisions associated with future electronics: students, graduates, educators, and researchers, as well as managers, investors, and policy makers.

Introduction: Towards Sustainable 2020 Nanoelectronics.- From Microelectronics to Nanoelectronics.- The Future of Eight Chip Technologies.- Analog – Digital Interfaces.- Interconnects and Transceivers.- Requirements and Markets for Nanoelectronics.- ITRS: The International Technology Roadmap for Semiconductors.- Nanolithography.- Power-Efficient Design Challenges.- Superprocessors and Supercomputers.- Towards Terabit Memories.- 3D Integration for Wireless Multimedia.- The Next-Generation Mobile User-Experience.- MEMS (Micro-Electro-Mechanical Systems) for Automotive and Consumer.- Vision Sensors and Cameras.- Digital Neural Networks for New Media.- Retinal Implants for Blind Patients.- Silicon Brains.- Energy Harvesting and Chip Autonomy.- The Energy Crisis.- The Extreme-Technology Industry.-

Education and Research for the Age of Nanoelectronics.- 2020 World with Chips.

MicroStrategy Suite Quick Start Guide for MicroStrategy 9.5

Mobile Suite Quick Start Guide for MicroStrategy 9. 3

Facebook for Seniors QuickSteps

The Droid Pocket Guide

Healthcare, Wellness and Environmental Applications

Use the power of BLE to create exciting IoT applications
About This Book Build hands-on IoT projects using
Bluetooth Low Energy and learn about Bluetooth 5 and its
features. Build a health tracking system, and indoor
navigation and warehouse weather monitoring projects
using smart devices. Build on a theoretical foundation and
create a practice-based understanding of Bluetooth Low
Energy. Who This Book Is For If you're an application
developer, a hardware enthusiast, or just curious about
the Internet of Things and how to convert it into hands-on
projects, then this book is for you. Having some
knowledge of writing mobile applications will be
advantageous. What You Will Learn Learn about the
architecture and IoT uses of BLE, and in which domains it
is being used the most Set up and learn about various
development platforms (Android, iOS, Firebase,
Raspberry Pi, Beacons, and GitHub) Create an Explorer
App (Android/iOS) to diagnose a Fitness Tracker Design
a Beacon with the Raspberry Pi and write an app to detect
the Beacon Write a mobile app to periodically poll the
BLE tracking sensor Compose an app to read data
periodically from temperature and humidity sensors
Explore more applications of BLE with IoT Design

projects for both Android and iOS mobile platforms In Detail Bluetooth Low Energy, or Bluetooth Smart, is Wireless Personal Area networking aimed at smart devices and IoT applications. BLE has been increasingly adopted by application developers and IoT enthusiasts to establish connections between smart devices. This book initially covers all the required aspects of BLE, before you start working on IoT projects. In the initial stages of the book, you will learn about the basic aspects of Bluetooth Low Energy—such as discovering devices, services, and characteristics—that will be helpful for advanced-level projects. This book will guide you through building hands-on projects using BLE and IoT. These projects include tracking health data, using a mobile App, and making this data available for health practitioners; Indoor navigation; creating beacons using the Raspberry Pi; and warehouse weather Monitoring. This book also covers aspects of Bluetooth 5 (the latest release) and its effect on each of these projects. By the end of this book, you will have hands-on experience of using Bluetooth Low Energy to integrate with smart devices and IoT projects. Style and Approach A practical guide that will help you promote yourself into an expert by building and exploring practical applications of Bluetooth Low Energy. Are you an Android Java programmer who needs more performance? Are you a C/C++ developer who doesn't want to bother with the complexity of Java and its out-of-control garbage collector? Do you want to create fast intensive multimedia applications or games? If you've

answered yes to any of these questions then this book is for you. With some general knowledge of C/C++ development, you will be able to dive headfirst into native Android development.

Law and Ethics for Today's Journalist

Embedded Android

Embedded Systems Foundations of Cyber-Physical Systems

Sensor Technologies

Android Hacker's Handbook